

124-1957-10-12080

VERBOVSKIY, G. G.

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 10, p 124 (USSR)

AUTHOR: Verbovskiy, G. G.

TITLE: On the Combined Longitudinal-Transverse Bending of a Straight Beam Having Two Supports (O prodol'no-poperechnom izgibe pryamykh dvukh-opornykh sterzhney)

PERIODICAL: Tr. Khar'kovsk. in-ta inzh. zh.-d. transp., 1956, Nr 26, pp 39-65

ABSTRACT: An example is shown of a solution of the problem of the combined longitudinal-transverse bending of a two-support beam subjected to combined longitudinal and transverse load.
S. M. Zavartsev

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VERBOVSKIY, G.G., professor.

A special case of approximate determination of the field of
contact of circular cylinders. Trudy KHIIT no.23:5-24 '59.
(Elasticity) (MLRA 10:8)

VERBOVSKIY, G. G.

123-1-1049

Translation from: Referativnyy Zhurnal, Mashinostroyeniye, 1957,
Nr 1, p. 159 (USSR)

AUTHOR: Verbovskiy, G. G.

TITLE: Longitudinal-Transverse Flexure of Straight Fixed-end
Bars (O prodol'no-poperechnom izgibe pryamykh dvukh-
opornykh sterzhney)

PERIODICAL: Trudy Khar'kovsk. In-ta inzh. zh.-d. transp., 1956,
Nr 26, pp. 39-65.

ABSTRACT: The author presents his solution which makes possible
more precise calculations than usual of locomotive
couplers, particularly in those cases when it is neces-
sary to determine the effect of horizontal forces of
inertia.

Card 1/1

VERBOVSKIY, G.G., professor.

Longitudinal and transverse bending of double-seat rods. Trudy
KHIIT no.26:39-65 '56. (MLBA 9:12)
(Elastic rods and wires)

VERBOVSKIY, I. [Verbova'kyi, I.]

Changing appearance of villages. Sil'.Bud. 9 no.11:5-6 H '59.
(MIRA 13:4)

1. Nachal'nik upravleniya stroitel'stva Volynskogo oblastnogo
upravleniya sel'skogo khozyaystva.
(Volyn' Province--Farm buildings)

BOYARSKIY, Lazar' Todrisovich; KORSHIKOV, Nikolay Petrovich; VERBOVSKIY,
I.I., inzh., retsentsent; SHKURO, V.M., inzh., retsentsent, red.;
BUKHVALOVA, K.I., inzh., red.; DUGINA, N.A., tekhn.red.

[Technology of the manufacture of forging and pressing machinery]
Tekhnologiya kuznechno-pressovogo mashinostroeniia. Moskva,
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 432 p.
(MIRA 14:4)

(Forging machinery)

VERBOVYY, K.A., kand.sel'skokhozyaystvennykh nauk

Rejuvenation pruning of bearing fruit trees. Agrobiologiya no.1:
65-70 Ja-F '63. (MIRA 16:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut sadovodstva, Kiyev.
(Pruning)

VERBREV, P.E.; GUBEV, H.B.

Investigations on hemorrhagic nephroso-nephritis in the
Pazardzhishk district. Nauch. tr. vissh. med. inst. Sofia 41
no.5:1-15 '62.

1. Predstavena ot prof. P.E. Verbev.
(EPIDEMIC HEMORRHAGIC FEVER)

EXCERPTA MEDICA Sec 16 Vol 7/8 Cancer August 50

9060. **Histochemically demonstrable phosphatases and protein synthesis**
 VLBBROFT A. Dept. of Tumour Biol., Inst. of Oncol., Gliwice *Exp. Cell Res.* 1958, 15, 1
 (1-20) illus. 43

A study of reticulocytes of rabbits, the pancreas of mice after pilocarpine stimulation, the regenerating liver of rats, ascites tumours of mice, the granular tissues and the silk glands of wax moth larvae. Non-fixed, frozen tissues were sectioned in the cryostat and then incubated for detecting alkaline phosphatase (AK), acid phosphatase (AC), 5-nucleotidase (5-N) and ATPase (AT). No evident association was observed between the activity of AK and 5-N and intracellular protein synthesis. The activity of these enzymes was high only in newly formed collagen fibres, which could indicate their participation in the maturation of procollagen and collagen. The high activity of AC in all examined cells, mainly localized in the cytoplasm, suggests that it participates in the proteosynthesis. The activity of AT in the cytoplasm is associated to a certain degree with the stimulation of proteosynthesis. The marked activity of AT in the nuclei in rapidly growing neoplastic tissues and regenerating liver, contrasted with the low activity in the nuclei of the glandular cells (e.g. in pancreas), suggests that the enzyme participates in the metabolism of DNA. This finding was confirmed in the experiments inhibiting the synthesis of DNA with the help of high doses of X-rays. The high activity of AT in nucleoli suggests that they participate in the synthesis of RNA and, indirectly, in the synthesis of cytoplasmic proteins.

CHERNOBYL'SKAYA, M.N.; RUS'KO, A.N.; VERBSKAYA, A.Ya.

Effect of ash elements on the development of acetone-butyl bacteria.
Nauk.zap.Kiev.un.12 no.7:27-35 '53. (MLRA 9:10)
(Clostridium acetobutylicum)

MURATOV, R. S.; ALENSEYEV, O. L.; VERBUX, M. A.; MOOTHCHENNIKOV, N. V.

"The System of Typhlotechnical Facilities for Schools
for Blind and Weak-Sighted Persons"

1. Institute of Defectology of the Acad. of Pedagogical
Sciences of the RSFSR.

To be presented at the International Congress on Technology
and Blindness, New York, 18-22 June 1962.

VERBUK, R.M.; GAYDUCHENKO, N.P.; KRIVOKOBYL'SKIY, V.F.; POLYAKOV,
M.L.; CHICHEVA, L.I., red.; TRUKHINA, O.N., tekhn. red.;
OKOLELOVA, Z.P., tekhn. red.

[Dismantling, assembly and repair of SMD engines] Razrabotka,
sborka i remont dvigatelei SMD. Moskva, Sel'khozizdat, 1963.
174 p. (MIRA 16:9)
(Diesel engines--Maintenance and repair)

PRODANENKO, V.M.; VERBYANYI, M.V.

Polishing varnish coating with polishing and burnishing pastes. Sum.
i der. prom. no.2:26-27 Ap-Je '63. (MIRA 17:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy obra-
botki drevesiny (for Prodanenko). 2. Mukachevskiy mebel'nyy kombinat
(for Verbyanyy).

VERC, E.

VERC, E. Some impressions from the Zagreb Fair. p. 346

Vol. 23, no. 9/10, 1955
ELEKTROTEHNIŠKI VESTNIK
TECHNOLOGY
Ljubljana

So: East European Accession, Vol. 6, no. 3, March 1957

VERCERA, M. ; GASPARIC, J. BORETKY, J.

Chromatography of dyestuff intermediates. III. Identification and separation of anthraquinonesulfonic acids by paper chromatography. p. 706

CHEMICKÉ LISTY (Československá akademie věd. Československá společnost chemická) Praha, Czechoslovakia. Vol. 49, no. 5, May 1955

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan 1960
Uncl.

VERCH, Wolfgang, ing., KdT.

Bridge of prestressed concrete over the Havel River. Inz stavby
10 nb.1:3-9 Ja '62.

1. Versuchs- und Entwicklungstelle, Projektierungsbetrieb des
Strassenwesens, Babelsberg.

VERCHNBA, A.O.

Building chambers for underground boring of test holes.

Trudy MGRI 34:9-16 '59.

(MIRA 13:12)

(Boring)

VERICHEBA, A.O.; BRYLOV, S.A.; GORBUSHIN, I.V.; PAI'NOV, I.I.

Radioactivity of the dust of uranium mines and methods for
reducing this dustiness by using pick hammers with a special
device. Izv.vys.ucheb.zav.; geol. i razv. 6 no.10:128-131 1963.
(M RA 18:4)

1. Moskovskiy geologorazvedochnyy institut im. S.Grdzhonik dze.

VASIL'YEV, M.G.; VERCHABA, A.O.; VOZDVIZHENSKIY, B.I.; KULICHIKHIN,
N.I.

Department of prospecting techniques and its objectives.
Trudy MGRI 34:3-4 '59. (MIRA 13:12)
(Prospecting)

V = KCH = 0/1, 11
BRYLOV, S.A.; VERCHEBA, A.O.

Selecting perforators for boring exploratory holes. Razved. i okh.
nedr 23 no.10:26-31 0 '57. (MIRA 11:2)

1. Moskovskiy geologorazvedochnyy institut im. S. Ordzhonikidze.
(Boring machinery)

AUTHORS: Brylov, S.A., Vercheba, A.G. 132-58-3-4/15

TITLE: The Question of the Mechanization of Mineral - Prospecting Operations in Remote and **Not Easily Accessible Districts** (K voprosu o mekhanizatsii gornorazvedochnykh rabot v usloviyakh ot-dalennykh i trudnodostupnykh rayonov)

PERIODICAL: Razvedka i Okhrana Nedr, 1958, Nr 3, pp 22 -26 (USSR)

ABSTRACT: As mineral-prospecting operations are now being conducted in the sparsely populated northern and eastern parts of the USSR where no electric stations are available, it is important that prospecting parties be equipped with small and light-weight internal combustion engines. The authors recommend the English engine "Omega" which has only 9 moving parts. The authors further describe combinations of the internal combustion engine with a generator, a compressor, a ventilator, a winch and a pump mounted on a light tube-frame, which can be assembled and disassembled without any difficulty and is adapted for the transport under difficult conditions. For drilling on resistant rock formations, the authors recommend the use of motor perforators built in Sweden and the US. Perforators built in the USSR are not used in the operations because they are not powerful enough. A geologic prospecting team, sent by the Mini-

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132-58-3-4/15

The question of the Mechanization of Mineral - Prospecting Operations in Remote and **Not Easily Accessible Districts**

sterstvo geologii i okhrany nedr SSSR (Ministry of Geology and Conservation of Mineral Resources) of the Kazakh SSR, into Chul' Adyr, has combined a 6 hp gas engine with a generator of 6 kw, which very much simplified the task and eliminated the use of manual work. The authors recommend the immediate series construction of such mobile engines and generators. There are 5 figures.

ASSOCIATION: MGRI

AVAILABLE: Library of Congress

Card 2/2 1. Mining engineering 2. Geophysical prospecting

VERCHEBA, A.O.; BAGDASAROV, Shq.B.; BOFISOV, A.N.; KULICHIKHIN,
N.I., zasl. deyatel' nauki i tekhniki RSFSR, prof.;
MUZYCHEVSKO, A.S., inzh.; RODIONOV, L.S.

[Handbook for mine foremen of prospecting parties] Spravochnik gornogo мастера geologorazvedochnykh partii. [By] A.O.Verchaba--i dr. Moskva, Izd-vo "Nedra," 1964. 443 p.
(MIRA 17:7)

VERCHBA, A.O.; BAGDASAROV, Sh.B.

Improve the effectiveness of exploratory drilling and blasting
operations in mining. Razved. i okh.modr 23 no.1:58-62 Ja '57.
(MIRA 10:3)

1. Moskovskiy geologorazvedochnyy institut.
(Blasting) (Respecting)

VERCHERA, A.O.

Analytic determination of the depth of boreholes and the quantity
of drills operating simultaneously in a drill hole. Trudy MGRI
no.28:138-143 '55.

(MLRA 8:6)

(Boring)

VERCHEBA, A.O.; BRYLOV, S.A.; BAGDASARY, Sh. B.

Mechanization of test ditch and hole sinking. Izv. vys. ucheb. zav.;
geol. i razv. 3 no.8:99-111 Ag '60. (MIRA 13:10)

1. Moskovskiy geologorazvedochnyy institut imeni S. Ordzhonikidze.
(Prospecting)

VERCERA, M. LUKES, R.

Vercera, M., Lukes, R. "Action of the Grignard reagent on amide grouping. XVIII. Isomerism of the pyrrolines. p. 541 CASOPIS PRO PESTOVANI MATEMATIKY. CZECHOSLOVAK MATHEMATICAL JOURNAL. Vol. 47, no. 4, Apr. 1953, Praha, Czechoslovakia.

SO: Monthly List of East European Accessions, LC., Vol. 3, No. 1, Jan. 1954, Uncl.

KULICHIKHIN, N.I.; VERCHEBA, A.O.

Some results of scientific research of the mining department of the Moscow Geological Prospecting Institute on problems related to resistance of rocks to drilling and blasting. Trudy MGRI 30: 9-13 '56. (MLRA 9:11)

(Boring) (Blasting)

VERCHEBA, A.O.

AUTHOR: Brylov, S.A. and Vercheba, A.O.

132-10-5/13

TITLE: About Selecting Perforators for Prospecting Drifts and Pits
(K voprosu vybora perforatorov dlya provedeniya razvedochnykh
vyrabotok)

PERIODICAL: Razvedka i okhrana nedr, 1957, # 10, p 26-31 (USSR)

ABSTRACT: In 1955, the Ministry of Geology and for the Preservation of Natural Resources developed a series of mining equipment for prospecting work, and recommended the following perforators: PNM-17, OM-506, NT-30, TH-4 and PH-30K. The author published data of the high-frequency perforators NP-10, NP-20, NP-23, NPC-3 and NP-25 (table 1) manufactured in the USSR during the past years. The Russian-made standard screw and fastening devices do not meet the requirements for prospecting work. The author refers to the Finnish multi-purpose high-frequency perforator "Tampella T-10C". Comparative data of the perforators "OM-506" and "Tampella T-10C" are given on table 3. After analyzing the tests conducted with these perforators and high-frequency perforators of Soviet make, the following results were obtained:

1. High-frequency perforators are of high productive capacity at the drilling of blast holes.
2. The difference in productive capacity becomes especially

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About Selecting Perforators for Prospecting Drifts and Pits

132-10-5/13

evident at low air pressure.

3. High-frequency perforators provide fast drilling operations under these conditions.

4. The productive capacity of "OM-506" changes more rapidly with changing pressure on the face than high-frequency perforators. High-frequency perforators are recommended for drilling operations of hard rocks, and are suitable for prospecting work. Standardization of limited numbers of types of multi-use drilling machines and auxiliary prospecting equipment is recommended.

There are 1 diagram, 2 figures and 3 tables.

ASSOCIATION: Moscow Geological - Prospecting Institute im. S. Ordzhonikidze (MGRI)

AVAILABLE: Library of Congress

Card 2/2

KULICHIKHIN, N.I., prof.; BAGDASAROV, Sh.B., dots.; VERCHEDA, A.O., dots.; TIKHONOV, N.V., dots.; RAZHEV, M.M., gor. inzh., nauchn. red.

[Boring and blasting operations, loading, timbering, mine haulage, ventilation, and mine drainage; second part of the course "Carrying out exploratory operations"] Burovzryvnye raboty, popruzka, kreplenie, rudnichnyi transport, ventilatsiia i vodootliv; chast vtoroi kursa "Provedenie razvedochnykh vyrabotok." [By] N.I. Kulichikhin i dr. Moskva, Nedra, 1964. 455 p. (MIRA 17:9)

KULICHIKHIN, N.I., prof.; BAGDASAROV, Sh.B., dots.; YERCHENBA, A.G., dots.; TIKHONOV, N.V., dots.; RAZHEV, M.M., gornyy inzh., nauchn. red.

[Loading and blasting operations, loading, timbering, mine haulage, ventilation, and drainage; second part of the course "Conducting exploratory operations"] Burovzryvnye raboty, po-
gruzka, kreplenie, rudnichnyi transport, ventilatsiya i vo-
dootliv; chast' vtoraya kursa "Provedenie razvedochnykh vyru-
botok." [By] N.I.Kulichikhin i dr. Moskva, Izd-vo "Nedra,"
1964. 455 p. (MIRA 17:8)

GORBUSHINA, L.V.; VERCHEBA, A.O.; SERDYUKOVA, A.S.; KAPITANOV, Yu.T.

State and behavior of radioactive emanations and products of
their decay in the air. Izv.vys.ucheb.zav.;geol.i razv. 3
no.2:140-144, F '60. (MIRA 15:5)

1. Moskovskiy geologorazvedochnyy institut imeni Ordzhonikidze.
(Radioactive substances--Decay)

VERCHEBA, A.O.

Increasing the rate of exploratory mining. Trudy MCHI 30:18-27
'56. (MLRA 9:11)

(Boring) (Prospecting)

VERCHENKO, I. N.

Bee Culture - Equipment and Supplies

Horizontal hive divided in two. Pchelovodstvo 30, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

VERCHENKO, I. Ya. i SHMIDOV, F. I.

Sur quelques propriete's g'eom'etriques des ensembles. C.P. Acad. Sci., 200 (1935), 616-618.

SO: Mathematics in the USSR, 1917-1947

edited by Kurosh, A.G.,

Markushevich, A.I.,

Rashevskiy, P.K.

Moscow-Leningrad, 1948

VERCHENKO, I. YA.

26881. VERCHENKO, I. YA. - Issledovaniya po teorii ploshchadi poverkhnostey vida z-w
(KH,v). Doklady akad. nauk SSSR, Novaya seriya, T. LXVIII, No. 1, 1940 s. 5-8.

SO: Letopis Zhurnal'nykh Statey, Vol. 36, 1940

VERCHENKO, I. Ya.

O poverkhnostnoy mere mnozhestv. Matem. sb., 10 (52), (1942), 11-32.

O tochkakh razryva funktsiy dvukh peremennykh. DAN, 1 (1934), 105-107.

Prodolzheniye issledovaniy o tochkakh razryva funktsiy dvukh peremennykh. DAN, 4 (1934), 361-364.

SO: Mathematics in the USSR, 1917-1947

edited by Kurosh, A.G.,

Markushevich, A.I.,

Rashevskiy, P.K.

Moscow-Leningrad, 1948

MAKAROV, Irinarkh Petrovich; VERCHENKO, I.Ya., prof., red.; NEMTSOVA,
L.G., red.; FEDOTOVA, A.F., tekhn.red.; MAKHOVA, N.N., tekhn.red.

[Theory of functions of real variables; textbook for pedagogical
institutes] Teoriia funktsii deistvitel'nogo peremennogo;
uchebnoe posobie dlia pedagogicheskikh institutov. Pod red.
I.IA. Verchanko. Moskva, Gos. uchebno-pedagog. izd-vo M-va pros.
RSFSR, 1958. 174 p. (MIRA 12:1)

(Functions of real variables)

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APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859420012-9"

VERCHENKO, I. YA.

22915 Ob otnositel'nom differentsirovani funktsiy mnozhest. Doklady adad.
Nauk SSSR, novaya seriya, T LXVII, No 3, 1949, C 417-20.

SO: LETOPIS' NO. 31, 1949

VERCHENKO, I. Ya

26831

Issledovaniya Po Teorii Ploshchadi Poverkhnostey Vida Z-W (kh, u). Izvestiya Akad.
Nauk SSSR, Novaya Seriya, T. LXVIII, No. 1, 1949, S. 5-8

SO: LETOPIS NO. 34

MAKAROV, Irinarkh Petrovich; VERCHENKO, I.Ya., prof., red.; TAL'SKIY,
D.A., red.; GOROKHOVA, S.S., tekhn. red.

[Theory of functions of real variables] Teoriia funktsii deistvitel'-
nogo peremennogo. 2. izd. Pod red. I.IA.Verchenko. Moskva, Vys-
shaia shkola, 1962. 194 p. (MIRA 15:6)
(Functions of real variables)

VERCHENKO, N.T.; NEPOMNYASHCHIY, Yu.I.

Repairing the grate of a sinter-grate kiln in large units. TSement
27 no.4:28-29 J1-Ag '61. (MIRA 14:8)

1. TSementnyy zavod "Pervomayskiy".
(Cement kilns--Maintenance and repair)

VERCHENKO, P.A., uchitel' biologii.

Biology laboratory of our school. Est.v shkole no.5:84 S-0 '53.

(MLRA 6:8)

1. Novo-Pokrovskaya srednyaya shkola Saratovskoi oblasti.

(Biology--Study and teaching)

VERCHENKO, P. A.

Rye.

Study of the duration of the vernalization of winter rye. Est. v shkole no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 195~~7~~⁸ Uncl.

VERCHENKO, P. A.

Vernalization.

Study of the duration of the vernalization of winter rye. Est. v shkole no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 195~~5~~/2 Uncl.

BORISOV, V.I., kand.geograficheskikh nauk; SHIROKIKH, D.P.,
kand.geograficheskikh nauk; VERCHENKO, P.A.

"Children's encyclopedia," Vol. 4. Reviewed by V.I. Borisov,
D.P. Shirokikh, P.A. Verchenko. Biol. v shkole no.3:91-93
MY-Je '61. (MIRA 14:7)
(Children's encyclopedias and dictionaries)

V. RABKIN, U.S.A.

125-58 4-12/15

AUTHORS: Rabkin, D.M., Candidate of Technical Sciences, Zvonkov, M.L. and Verchenko, V.A., Engineers

TITLE: Experience in Constructing Welded Aluminum-Magnesium Containers (Opyt izgotovleniya svarnykh yemkostey iz aluminievogo-magniyevogo splava)

PERIODICAL: Avtomaticheskaya Svarka, 1958, Nr 4, pp 84-88 (USSR)

ABSTRACT: A detailed description is given of all operations performed in assembling 700 m² aluminum-magnesium alloy containers at the Kombinat sinteticheskikh zhirozameniteley (Synthetic Fat Substitutes Combine). The electric arc welding method is used for all horizontal connections, and oxy-gas (propane-butane mixture) for the vertical welds which are welded by two operators simultaneously - one on the inside and one on the outside of the container, so that the operation proceeds with only one welding puddle. The information includes the chemical composition of the base metal - "AMg5B" alloy - and special "AN-AlO₃" electrode coating and "AN-A201" Flux developed for the purpose at the Electric Welding Institute imeni Pator. (Tables 1, 2). The following persons participated in the work:

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125-584-12/15

Experience in Constructing Welded Aluminum-Magnesium Containers

G.B. Al'terman, I.M. Bolotin, V.M. Pauler, L.D. Polonskiy
O.A. Videnskiy, P.K. Chubukov, I.I. Kravtsov, Ya.M.
Yalovoy.

There are 3 tables and 7 photographs.

ASSOCIATION: Institut elektrosvarki imeni Ye.O. Patona AN UkrSSR (Elec-
tric Welding Institute imeni Ye.O. Paton of the AS UkrSSR);
Prodmontazh.

SUBMITTED: December 3, 1957

AVAILABLE: Library of Congress

Card 2/2

SOV/137 59 2 1255

Translation from: Referativnyy zhurnal. Metalurgiya. 1959. Nr 2. p 137 (USSR)

AUTHOR: Verchenko, V. A.

TITLE: Gas Welding and Cutting Operations Performed With Acetylene Substitutes (Rezka i svarka gazami zamenitelyami atsetilena)

PERIODICAL: V sb.: V bor'be za tekhn. progress. Nr 2. Krasnodar. "Severnyy Kuban'", 1957. pp 91-97

ABSTRACT: It is pointed out that a C_3H_8 - C_4H_{10} mixture may replace C_2H_2 in the following operations: Flame cutting of carbon and low alloy steels; welding of Cu-Pb, brass, Al and cast iron; brazing of metals; metalization operations; surface hardening; heating of components prior to bending; welding of carbon-steel sheets up to 2 mm thick and other operations. The advantages afforded by this substitute fuel gas mixture include the following: Ease of transportation in the liquid state; sufficiently high flame temperature in the process of its combustion in a mixture containing O_2 ; reduced explosion hazard; the absence of carburization of the edges of the cut, and lower susceptibility to flashback (backfire). Cylinders for storage of the C_3H_8 - C_4H_{10} mixture are described and instructions for enlarging the diameter of the

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SOV/137 59 1 3255

Gas Welding and Cutting Operations Performed With Acetylene Substitutes

openings in the nozzles of the cutting blowpipes are given together with design changes for the nozzles and tips of the blowpipes. Brief technological recommendations on welding of cast iron and carbon steel are given

G K

Card 2/2

- 29(1) **PLATE 1 BOOK REPRODUCTION** 800/3421
- Abstracts book USSR, Kiev, Institut elektrometallurgii i metallurgii Ye. O. Paton
 Pedagogicheskyy spetsialnyy voprosnik, v. 2 (Introduction of
 new welding methods in industry; Collection of articles, No. 2) Kiev, Gos.
 izdat. Ukrainy, 1957. Ukrainian text, 198 p. Approx. 400 copies printed.
- Ed.: V. Garmash; Tech. Ed.: S. Matusevich.
- FOREWORD:** This book is intended for workers in the welding industry.
- CONTENTS:** The book contains a discussion of welding techniques and problems by
 groups of scientists and welders. Much attention is given to problems in the
 application of new methods of mechanized welding and electroslag welding.
 This is the second collection of articles under the same title prepared and
 published by the Institut elektrometallurgii i metallurgii Ye. O. Paton (Institute of
 Electric Welding, Ye. O. Paton). The preface is written by Ye. O. Paton,
 Academician of the Ukrainian Academy of Sciences and Winner of the Lenin Prize.
 There are no references.
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RABKIN, D.M.; ZVONKOV, M.L.; VERCHENKO, V.A.

Making welded aluminum-magnesium alloy containers. Avtom. svar.
11 no.4:84-91 Ap '58. (MIRA 11:6)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im.
Ye.O. Patona AN USSR (for Rabkin, Zvonkov). 2. Treat po montazu
prodovol'stvennykh predpriyatii (for Verchenko).
(Aluminum-magnesium alloy—Welding)
(Tanks—Welding)

PHASE I BOOK EXPLOITATION SOV/5078

Atademiya nauk URSR, Kiev. Institut elektrozvaruvannya

Vnedreniye novykh sposobov svari v promyshlennost'; sbornik statey. YEP. 3. (Introduction of New Welding Methods in Industry; Collection of Articles. v. 3) Kiev, Gos. izd-vo tekhn. lit-ry URSR, 1960. 207 p. 5,000 copies printed.

Sponsoring Agency: Ordens Trudovogo Krasnogo Znameni Institut elektrozvarki i svari akademika Ye. O. Patona Akademii nauk Ukrainy SSR.

Ed.: M. Pisarenko; Tech. Ed.: S. Matusevich.

PURPOSE: This collection of articles is intended for personnel in the welding industry.

COVERAGE: The articles deal with the combined experiences of the Institut elektrozvarki i svari Ye. O. Patona (Electric Welding Institute i svari Ye. O. Paton) and several industrial enterprises in solving scientific and engineering problems in welding technology.

Problems in the application of new methods of mechanized welding and electroslag welding in industry are discussed. This is the third collection of articles published under the same title. The Foreword was written by Ye. O. Paton, Academician of the Academy of Sciences Ukrainian SSR and Lenin Prize winner. There are no references.

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Lebedev, B. F. (Candidate of Technical Sciences, Electric Welding Institute imeni Ye. O. Paton), A. A. Alakozov (Chief Uralstal' konstruktivskaya (Ural Fabricated-Steel Trust)), and S. Yu. Babitskiy (Chief Dneprostal'- konstruktivskaya (Dnepr Fabricated-Steel Trust)). Experience in the Mechanization of Welding Operations in the Erec- tion of Metallic Structures for a Blast-Furnace Plant	194

SOV/137-57-1-909

Translation from: Referativnyy zhurnal. Metallurgiya, 1957, Nr 1, p 117 (USSR)

AUTHOR: Verchenko, V. R.

TITLE: Mechanization and Automatization of Argon-arc Welding (Mekhanizatsiya i avtomatizatsiya protsessa argonodugovoy svarki)

PERIODICAL: V sb.: Avtomatizatsiya tekhnol. protsessov v mashinostr. Moscow, AN SSSR, 1955, pp 189-193

ABSTRACT: A description of the equipment employed in argon-arc welding: A manual, water-cooled welding head rated at 450-600 a; a device permitting mechanized girth welding of small-diameter articles with a W electrode; a welding head equipped with automatic feed of the filler wire, and a console-type unit for automatic welding with consumable electrodes in a shielding gas atmosphere. The author points out the superiority of electric-arc welding in an inert gas in comparison with other types of fusion welding (absence of flux and slags, greater productivity, and lower cost).

G. N.

Card 1/1

AID P - 5067

Subject : USSR/Engineering-Welding

Card 1/1 Pub. 107-a - 7/11

Authors : Verchenko, V. R., A. V. Petrov, and M. I. Baranov

Title : Automatic welding of non-turning stationary pipes

Periodical : Svar. proizv., 6, 22-26, Je 1956

Abstract : The authors describe the technique and equipment for automatic welding of non-turning tubing of stainless steel up to 219 mm in diameter. The ATV automatic welders with melting electrodes and with infusible tungsten electrodes were used and the test results are given. Four tables, 3 graphs, 6 photos, 6 diagrams and GOST standards.

Institution : Scientific Research Institute of Technology and Production

Submitted : No date

VCF-1000/1001 Y-1

AID P - 5404

Subject : USSR/Engineering

Card 1/1 Pub. 107a - 6/12

Authors : Verchenko, V. R., Kand. of Tech. Sci., V. A. Kostyuk,
Kand. of Tech. Sci., and V. A. Yakimov, Eng.

Title : The ARK-1 automatic machine for argon-electric arc
welding with melting and non-melting electrodes.

Periodical : Svar. proizv., 10, 20-22, 0 1956

Abstract : The ARK-1 welding machine built at the Scientific
Research Institute of Technology and Organization of
Production with V. A. Yakimov (one of the authors) as
its chief designer is briefly described and its per-
formance outlined. Three tables, 3 photos and 1 drawing;
2 Russian references (1948, 1952).

Institution : As above

Submitted : No date

Verchenko, V R.

135-6-8/13

SUBJECT: USSR/Welding

AUTHORS: Verchenko, V.R., Candidate of Technical Sciences, and Slavin,
G.A., Engineer.

TITLE: New Method of Semi-Automatic Hese-Welding with Non-Melting
Electrodes in Argon (Novyi spsob peluavtomaticheskoy shlangovey
svarki neplavyashchisya elektrodom v srede argona).

PERIODICAL: "Svarechnoye Proizvodstvo", 1957, # 6, pp 17-20 (USSR)

ABSTRACT: The method considered has been developed in 1956 by the Research
Institute for Technology and Work Organization. It is applied
in welding parts of little thickness, and particularly for curved,
or short, or hard accessible joints. Whereas the share of auto-
matic welding with tungsten electrodes at most plants amounts
to only 30 % (the rest is welded manually), the new method
raises this share to 70-80%. Besides, it improves the quality
of welds.

The novelty of this method consists in that the moving welding
torch is supported by the welding rod which is being fed into
the welding area. The wire continuously thrusts against the
work faces and keeps the torch moving in a direction opposite

Card 1/3

135-6-8/13

TITLE:

New Method of Semi-Automatic Hose-Welding with Non-Melting Electrodes in Argon (Novyi sposob peluavtomaticheskoy shlangovoy svarki neplavyashchimsya elektrodom v srede argona).

to the direction of its own movement. The operator has only to watch the accuracy of movement of the arc along the connection. The length of arc remains always independent of the work contour. Welding is possible on complex contours in various positions of space. The output is 3-5-fold as compared to manual welding, the process is stable, the quality of welds is same as in automatic welding and is less dependent of the operator's skill.

The process is applicable for welding stainless, heat-resistant, and structural steels of 0.8-4 mm thickness, aluminum and magnesium alloys of over 1.5 mm thickness.

The semi-automatic hose-welder "НМБ-1", shown by a photograph and by mechanical and electrical diagrams, works with currents of up to 400a and with tungsten electrodes of 1-6 mm in diameter. The welding kit ("ranets") comprises the wire spool with an electric motor mounted inside, the gear reductor of the flexible shaft drive, and is carried by the operator on his back. In this way, the length of the flexible shaft is reduced and the

Card 2/3

135-6-8/13

TITLE:

New Method of Semi-Automatic Hose-Welding with Non-Melting Electrodes in Argon (Novyi sposob poluavtomaticheskoy shlangovoy svarki neplavyashchimsya elektrodom v srede argona).

Weight of hoses (6 meter) does not affect the welding process. The transportable control-gear is made in suitcase form of 470x300x200 mm size. It is connected by electric wiring and removable hoses to the parts carried by the welder on his back. The device works on alternate as well as on direct current with the same control circuit.

Detailed design and technology, as well as welding conditions for various welds are given.

The article contains 4 photographs, 1 mechanical scheme, 1 electrical scheme, 2 tables.

ASSOCIATION: "NIAT"

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress.

Card 3/3

AUTHOR: Verchenko, V.R.

30V-125-58-R-12/16

TITLE: Static Arc Characteristics in Gas-Shield Welding with Fusing Electrodes (Staticheskiye kharakteristiki dugi pri svarke plavyashchimsya elektrodom v srede zashchitnykh gazov)

PERIODICAL: Avtomaticheskaya svarka, 1958, Nr 8, pp 75-78 (USSR)

ABSTRACT: Static volt-ampère characteristics of a gas shielded arc with high current density in the electrode (200 - 300 a/sq mm) are discussed and experiments of welding aluminum and stainless steel specimens are described. It is stated that in welding with fusing electrodes in shielding gas, the arcs have rising static vol-ampère characteristics. Their slope depends on the gas, the arc length, the diameter and physical properties of the electrode etc. and it increases with increasing arc length and reducing electrode diameter. The slope is determined by the coefficient k which is equal to 0.24 to 0.1 v/a. The described experimental data can be utilized to choose parameters for power sources with rising external characteristics. There are 6 graphs, 1 table and 5 references, 2 of which are Soviet and 3 English.

Card 1/2

507-125-58-2-12/16

Static Arc Characteristics in Gas-Shield Welding with Fusing Electrodes

ASSOCIATION: NIAT

SUBMITTED: May 10, 1958

1. Welding equipment--Operation

Card 2/2

AUTHOR: Verchenko, V.R. SOV/125-58-11-6/16

TITLE: Metal Passage in the Arc in Gas-Shielded Welding with a Fusing Electrode (Perenos metalla v duge pri svarke plavyashchimsya elektrodom v srede zashchitnykh gazov)

PERIODICAL: Avtomaticheskaya svarka, 1958, Nr 11, pp 40-47 (USSR)

ABSTRACT: Results of investigations on the metal passage in the arc in gas shielded welding with aluminum alloy rods are given. It is stated that the character of the metal passage depends on the current magnitude and on the gas expansion at the electrode tip. Critical current values affecting the character of metal passage (shape of the metal drop) are computed on the basis of a formula which can be applied to any electrode diameter for rods of different grades. The interaction of forces affecting the metal passage, at intensities of current higher and lower than the critical value, is discussed. There are 5 sets of microphotos, 2 graphs, 1 diagram, 1 table and 7 Soviet references.

SUBMITTED: September 9, 1958

Card 1/1

28(1) PHASE I BOOK EXPLOITATION: SOV/2155
Soveshchaniye po kompleksnoy mekhanizatsii i avtomatizatsii tekhnologicheskikh protsessov. 2nd, 1956.
Avtomatizatsiya mashinostroitel'nykh protsessov; /trudy soveshchaniya/, tom. 1. Goryachaya obrabotka metallov (Automation of Machine-Building Processes; Proceedings of the Conference on Over-All Mechanization and Automation of Technological Processes, Vol. 1: Hot Metal-Forming) Moscow, 1959. 394 p. 5,000 copies printed.
Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya. Komissiya po tekhnologii mashinostroyeniya.
Resp. Ed.: V. I. Dikushin, Academician; Compiler: V. M. Raskatov; Ed. of Publishing House: V. A. Kotov; Tech. Ed.: I. P. Kus'min.
PURPOSE: The book is intended for mechanical engineers and metallurgists.
COVERAGE: The transactions of the Second Conference on the Over-All Mechanization and Automation of Industrial Processes, September 25-29, 1956, have been published in three volumes. This book, Vol. 1, contains articles under the general title, Hot Working of Metals. The investigations described in the book were conducted by the Sections for Automation and Hot Working of Metals, under the direction of the following scientists: casting - P. N. Aksentov, D. F. Ivanov and G. M. Grigorov; forming - A. I. Tsellikov, A. D. Tolstov and V. T. Meshcherin; welding - G. A. Nikolayev, B. I. Prolov and G. A. Maslov. There are 185 references: 182 Soviet, 3 English, 6 German, and 1 French.

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AVAILABLE: Library of Congress	

Card 8/8

TM/LJR
9/15/59

VERCHENKO, V.R.

New stage in the development of standardization. Standarti-
zatsiia 29 no.7:3-5 J1 '65. (MIRA 18:11)

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo
instituta po normalizatsii v mashinostroyenii.

(A) L 11876-66

ENT(1)/ENT(2)/ENT(3)/T/ENT(4)/ENT(5)/ENT(6) TJP(c)

ACC NR: AP5028744

SOURCE CODE: UR/0028/65/000/007/0014/0016

AUTHORS: Verchenko, V. R.; Kubarev, A. I.

ORG: none

TITLE: Mathematical statistics and standardization ¹⁴

SOURCE: Standartizatsiya, ²⁹no. 7, 1965, 14-16

TOPIC TAGS: scientific standard, statistic analysis, machine industry, data sampling, quality control

ABSTRACT: The importance of statistical analysis in standardization efforts is qualitatively discussed, and an appeal is made to standardize statistical analysis methods and to expand their use in government standards. Several areas which will benefit from statistical analysis methods are listed. At present, machine part dimensions are specified with tolerances which assume all components to be at the worst maximum or minimum dimensions. Statistical analysis can show that it is very improbable that all components will have the worst error, and thus tolerances can be relaxed so as to produce major machining cost savings. The fields of quality control, reliability, and machine life prediction must use statistical analysis to obtain meaningful results. It is suggested that standards and working tables be established for sampling techniques in quality control. These should include single sampling (one sample of n out of N parts), double sampling (two samples, n_1 and n_2 , taken successively out of N parts), and successive sampling (successive

Card 1/2

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ACC NR: AF5028744

testing of 1, 2, 3 ... 1 parts) techniques. Continuous statistical control of industrial processes can be profitably applied until these techniques are replaced by automatic control (which can also benefit from statistical analysis). The problems of specifying reliability, fatigue, and life parameters in machine parts and assemblies must be considered from a statistical standpoint to be meaningful. VNFINMASH is in the process of developing, standardizing, and publicizing various statistical techniques for these purposes.

SUB CODE: 14,13 / SUEM DATE: none

400
Card 2/2

VERCHENKO, V.R.

Objectives of reliability and durability departments.
Standartizatsiia 29 no.5:10-13 My '65.

(MIRA 19:1)

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta
po normalizatsii v mashinostroyenii.

"APPROVED FOR RELEASE: 09/01/2001

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APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859420012-9"

VERCHENKO, Ye.V.

Dielectric separation of solids in a field produced by means of
sloping electrodes. Uch.zap.Msk.gor.ped.inst. 85:57-68 '58.

(MIRA 14:10)

(Electrostatic separators)

81420

SOV/137-59-5-10036

5.5400
Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 5, p 85 (USSR)

AUTHOR: Verchenko, Ye.V.

TITLE: Electric Separation of Solid Bodies in a Field of Angle Electrodes ²¹

PERIODICAL: Uch. zap. Mosk. gor. ped. in-ta, 1958, Vol 85, pp 57 - 68

ABSTRACT: The author presents computational formulae for an electrostatic field of small-size cylindrical electrodes arranged in vertical parallel planes at an angle to each other and fed from a source of 13 kv voltage and 260 watt power. The author gives a numerical example of computation and presents distribution curves of the intensity vector of the field along a straight line, parallel to each pair of electrodes and at different angles between them. The intensity of the field along the straight lines located in the plane where the oppositely charged electrodes are arranged, and parallel to them, increases when approaching the point of convergence of these electrodes. The magnitude gradient of the field intensity vector increases also when approaching the electrode convergence point. It increases the faster, the smaller

Card 1/2

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SOV/137-59-5-10036

Electric Separation of Solid Bodies in a Field of Angle Electrodes

the angle between the inclined electrodes. If the inclination angle between the electrodes diminishes, the force increases which attracts the particles at the vertex of the angle. On the other hand, the force decreases which retains the particles passing-by the electrodes. To confirm the calculation results experiments were carried out with conductors (pyrite, chalcopyrite) semiconductors (limonite, hematite, sphalerite) and dielectrics (quartz, calcite).

I.M.

Card 2/2

VERCHIK, V., inzh.; VELICHKO, I.

Safeguarding ships against explosive objects. Mor. flot 18
no.8:12 Ag '58. (MIRA 11:9)
(Ships--Safety measures) (Mines, Submarine)

VERCHILLOVA P.

EXCERPTA MEDICA Sec 4 Vol. 10/11 Microbiology Nov 57

2584. ZDRODOWSKI P., VERCHILLOVA P. and KOTLAROVA H. Moscou. *Recherches immunologiques sur la brucellose et immunisation humaine contre cette infection au moyen d'un vaccin vivant atténué. Immunological studies of brucellosis and immunization of human subjects against this infection by means of an attenuated live vaccine REV. IMMUNOL. (Paris) 1956, 20/3 (85-99) Tables 10

The problem of spontaneous recovery and of the type of post-infectious immunity in experimental animals (sheep and guinea-pigs) after brucella infection is discussed. It is stated that spontaneous recovery occurs regularly, although only after intervals which vary with the species of animal and the virulence of the strain used. A post-infectious cross immunity between Br. abortus and Br. melitensis appears to develop as follows: first non-sterile premuniton, during the first 3 months, then sterile immunity and, finally, after a year or so, loss of immunity. It is admitted that the immunity is of phagocytary type and not dependent upon anti-

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bodies. A report is subsequently given of the first results of vaccination of human subjects with living *Br. abortus* utilizing the strains 19 (an American strain, generally used for vaccination of livestock) and M (a Russian strain, obtained from a cow which had aborted in a district where human brucellosis does not occur). The lyophilized vaccine is diluted immediately before use and then injected subcutaneously in doses of 150 - 200 million living germs. Preliminary studies have been carried out since 1947, first in 204 students of a Veterinary Institute who were exposed to the infection and followed up for 2 yr.: there appeared opsonins, Wright agglutination, cutaneous allergy (only 1 case of bacteraemia with *Br. abortus* 15 days after the vaccination), in that order; the morbidity due to *Br. melitensis* amounted to 0.5% (1 case of clinical brucellosis and 5 cases of subclinical brucellosis), as compared with 12.3% in non-vaccinated controls from the same locality and exposed to the same risk of infection. Since 1951, several thousand persons have been vaccinated with a good index of efficacy. It is estimated that efficacious immunity remains present for about 2 yr.; revaccination is required for subjects with negative sero-allergic reactions one year after primary immunization.

Bertrand - Montpellier

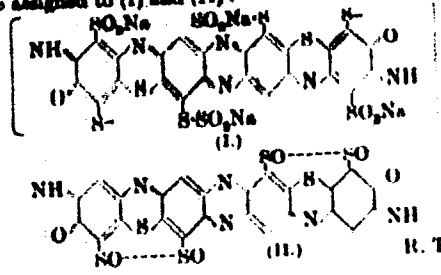
VERCHOLETOVA, G. P.

I. N. NAZAROV, IAN/OKhN, 1941, 545-555, 556-572

1ST AND 2ND CITIES										3RD AND 4TH CITIES									
PROCESSES AND PROPERTIES INDEX																			
<p><i>AC</i> 4-1</p> <p>Preparation of titanio acid gel, and investigation of its adsorptive properties. S. E. VERCHOVSKI, A. K. VERCHOVSKAJA, and M. V. KARTENKI. (J. Appl. Chem. Russ., 1938, 11, 4-11).—TiO₂ gel adsorbs alkalis, but not acids, from aq. solutions; in presence of salts hydrolytic adsorption is observed. The gel is a highly active adsorbent of gases (NH₃, SO₂). R. T.</p>																			
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION																			
FROM SYNONYMS										FROM BOWERS									
SYNONYMS										BOWERS									
SYNONYMS										BOWERS									

BC

Structure of sulphur-black. II. I. CHMEL.
NITENKA and V. VERNIKOVA (Anilinokras. Prom.,
1935, 5, 67-75).—Nigrosulphine (I).
[C₂₀H₁₂O₁₂N₈Na₈·8H₂O] cannot be diazotized or
acylated, and yields sulphur-black (II), C₂₀H₁₂O₁₂N₈,
on hydrolysis with acids. The following structures
are assigned to (I) and (II):



(I)

(II)

R. T.

ASR-55A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND SHEETS										NO. AND 3RD SHEET									
PROCESSING AND PROPERTIES INDEX																			
BC										B-II-Y									
<p>Titanium white from the precipitate formed in the Millast oven at the Hageroch aluminium factory. S. E. VASCHOVSKI (<i>J. Appl. Chem. Res.</i>, 1938, 11, 12-13), in the fusion of Tichvinsk samples with C and CaO a ppt. containing 45-57% of Ti, as carbide, is formed. Ti cannot be extracted from this by HCl or H₂SO₄; TiO₂ is obtained from it by chlorination at 400-500°. The TiO₂ obtained by hydrolysis of the TiCl₄ had a greyish-yellow colour; uncoloured TiO₂ was obtained by adding TiCl₄ to aq. H₂SO₄, evaporating at 100-200° to eliminate HCl, and hydrolysing the Ti(SO₄)₂ at 103-105°. R. T.</p>																			
ASTM-A6 METALLURGICAL LITERATURE CLASSIFICATION																			
SOURCE SYMBOLISM										COLLECTIONS									
CONCORD #2										SUBJECT ONE ONLY LIST									
<div style="display: flex; justify-content: space-between;"> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 </div>																			

Preparation of titanic acid gel, and investigation of its adsorptive properties. N. E. VASCHOVSKI, A. K. VESCHOVSKAJA, and M. V. KARTEINKI. (J. Appl. Chem. Russ., 1938, 11, 4-11).— TiO_2 gel adsorbs alkalis, but not acids, from aq. solutions; in presence of salts hydrolytic adsorption is observed. The gel is a highly active adsorbent of gases (NH_3 , SO_2). R. T.

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"Toxicity of Certain Chemical Substances Employed in Rubber Production. (Rubber Accelerators, Antioxidants, and Dyestuffs)." Minsk State Medical Inst, Minsk, 1955. (Dissertation for the Degree of Candidate of Medical Sciences)

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Possibility of decreasing disproportions in the production
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1. Masinski fakultet, Beograd.

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Technology

The use of heavy fuel oils in Diesel engines.
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20 no.9:362-363 S '64.

1. "Saturnus" Enterprise, Ljubljana.

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"The nomenclature and classification of fuels and lubricants obtained from naphtha."

p. 298 (Standardizacija) No. 10, Oct. 1957
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SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
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of gasoline and idesel fuel. Nafta Jug 13 no. 11/12:440-444
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1. Faculty of Machine Building, University of Belgrade.

VERCON, JOSIP

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15) Naphtha oil for treating metal)

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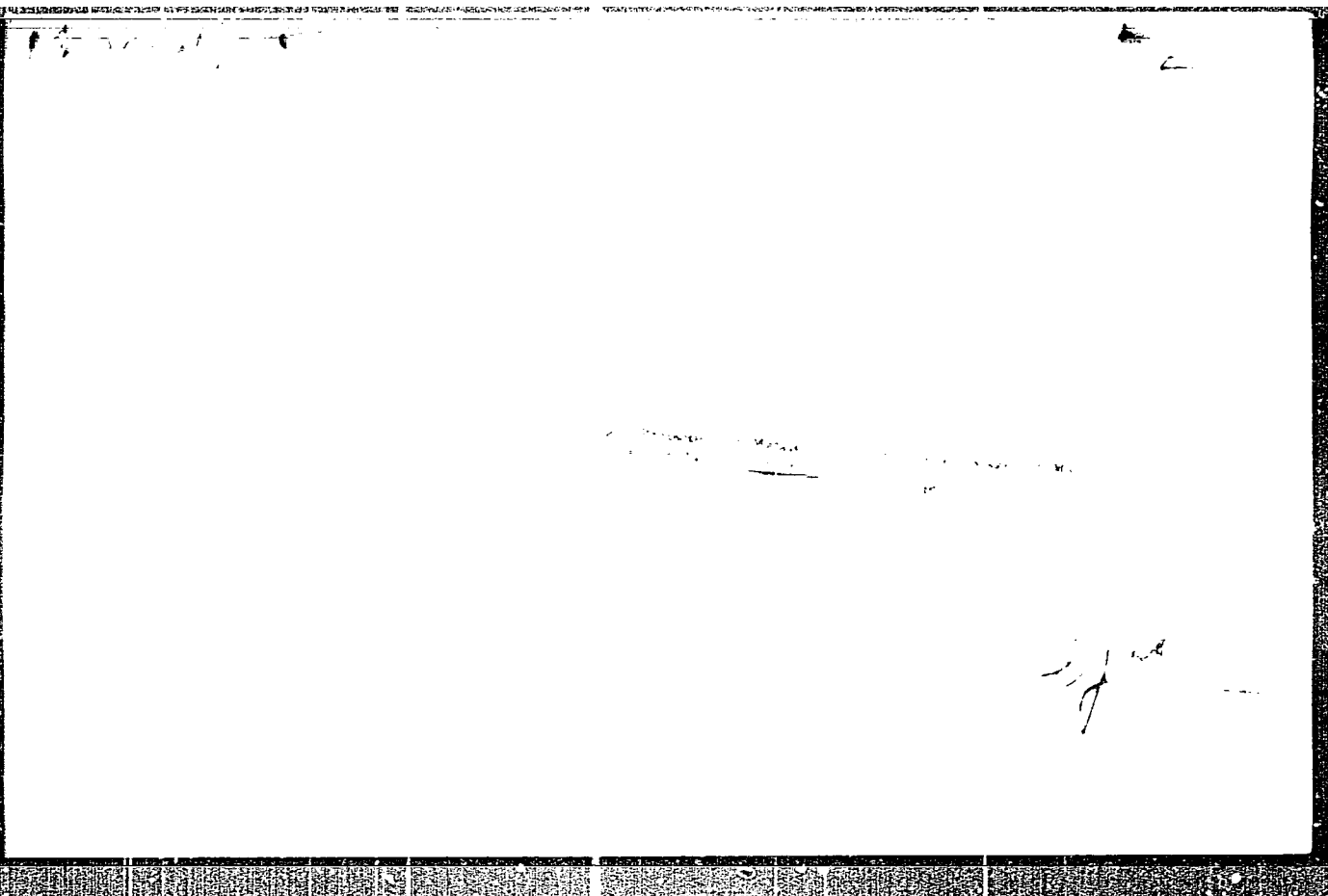
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Memorial to President John F. Kennedy, Jr. 1961. Samp. and W. 1961.
Coral Gables, Florida.

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1. Papíripari Kutatóintézet (for Lengyel). 2. Lang
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[Operator and the machine] Operator i mashina. Moskva, Izd-
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IV Seriia: Tekhnika, no.5) (MIRA 17:4)

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